

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	198	(optical with filter\$3) and (waveguide same ((length with difference) or (different with length\$1))) and (flat\$4 with (response or spectr\$3 or shape))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/20 13:42
L2	183	L1 and (demultiplex\$4 or multiplex\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/20 13:42
L3	142	L2 and ("AWG" or (array\$3 with wave\$guide\$1 with grating\$1))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/20 13:43
L4	0	("2004/0213520").URPN.	USPAT	OR	ON	2005/07/20 14:56
L5	1	("6212315").PN.	US-PGPUB; USPAT	OR	OFF	2005/07/20 14:58
L6	1	("6597842").PN.	US-PGPUB; USPAT	OR	OFF	2005/07/20 14:58
L7	0	("2005/0047722").URPN.	USPAT	OR	ON	2005/07/20 15:05
L8	6	("5953467"   "6023544"   "6212315"   "6493487"   "6597842"   "6690846").PN. OR ("6907160").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/20 15:06
S1	15	("AWG" or (array\$3 with wave\$guide\$1 with grating\$1)) same ((slab\$1 with wave\$guide\$1) or (free with propagation with region\$1)) same ((directional or 3\$dB) with coupler\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/12 09:01
S2	36	("AWG" or (array\$3 with wave\$guide\$1 with grating\$1)) same ((slab\$1 with wave\$guide\$1) or (free with propagation with region\$1)) same ((directional or 3\$dB or "MMI" or (multi\$mode or (multi with mode) with interference) with coupler\$1))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/20 13:43
S3	2	("2002/0001433").URPN.	USPAT	OR	OFF	2005/01/12 09:02
S4	2	("2002/0057865").URPN.	USPAT	OR	OFF	2005/01/12 09:03
S5	1	("2002/0122650").URPN.	USPAT	OR	OFF	2005/01/12 09:03
S6	0	("2002/0176665").URPN.	USPAT	OR	OFF	2005/01/12 09:03

S7	0	("2002/0181832").URPN.	USPAT	OR	OFF	2005/01/12 09:04
S8	5	("5410622"   "5499309"   "5966478"   "6311004"   "6327407").PN. OR ("6507680").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/01/12 09:04
S9	0	("2003/0063858").URPN.	USPAT	OR	OFF	2005/01/12 09:04
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S11	2	("6137939"   "6501896").PN. OR ("6580862").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/01/12 09:05
S12	29	("20020186928"   "4618210"   "4747654"   "4813757"   "4846542"   "5002350"   "5013113"   "5039993"   "5243672"   "5412744"   "5450511"   "5467418"   "5488500"   "5542010"   "5581643"   "5706377"   "5841931"   "5938811"   "5991477"   "6021242"   "6108478"   "6118909"   "6256428"   "6272270"   "6337937"   "6486984"   "6542666"   "6546167"   "6549328").PN. OR ("6674929").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/01/12 09:05
S13	0	("2004/0028105").URPN.	USPAT	OR	OFF	2005/01/12 09:08
S14	2	("5412744"   "6195482").PN. OR ("6728442").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/01/12 09:08
S15	1	("2004/0101243").URPN.	USPAT	OR	OFF	2005/01/12 09:09
S16	0	("2004/0131313").URPN.	USPAT	OR	OFF	2005/01/12 09:09
S17	7	("6169838"   "6222956"   "6515776"   "6526203"   "6549688"   "6563988"   "6625187").PN. OR ("6768842").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/01/12 09:09
S18	0	("2004/0161186").URPN.	USPAT	OR	OFF	2005/01/12 09:11
S19	18	("20030081898"   "4756587"   "5136671"   "5467418"   "5488680"   "5623571"   "5706377"   "5745616"   "5745618"   "5841919"   "5881199"   "5982960"   "5999290"   "6069990"   "6205273"   "6222963"   "6229943"   "6363188").PN. OR ("6798952").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/01/12 09:11

S20	21	(US-20020001433-\$ or US-20020057865-\$ or US-20020122650-\$ or US-20020176665-\$ or US-20020181832-\$ or US-20030063858-\$ or US-20030103722-\$ or US-20040028105-\$ or US-20040101243-\$ or US-20040131313-\$ or US-20040161186-\$).did. or (US-6507680-\$ or US-6580862-\$ or US-6674929-\$ or US-6728442-\$ or US-6768842-\$ or US-6798952-\$ or US-6563988-\$ or US-6839477-\$ or US-5881199-\$ or US-6205273-\$).did.	US-PGPUB; USPAT	OR	OFF	2005/01/12 09:14
S21	4	S20 not (S2 or S1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/12 09:14
S22	27	("5881199").URPN.	USPAT	OR	OFF	2005/01/12 09:14
S23	10	("5617234"   "5760941"   "5809184"   "5867290"   "5881199"   "6212315"   "6304380"   "6332055"   "6351581"   "6597841").PN. OR ("6807372").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/01/12 09:15
S24	7	("6205273").URPN.	USPAT	OR	OFF	2005/01/12 09:16
S25	15	("4737002"   "5002350"   "5136671"   "5243672"   "5357589"   "5881199"   "5953467"   "5982960").PN. OR ("6205273").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/01/12 09:17
S26	19	("20020015559"   "20020057865"   "5002350"   "5136671"   "5179605"   "5412744"   "5629992"   "5629999"   "5680236"   "5889906"   "6047096"   "6069990"   "6141152"   "6195481"   "6195482"   "6233375").PN. OR ("6563988").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/01/12 09:17
S27	10	("20040101243"   "20040109643"   "5412744"   "5706377"   "5926298"   "6058233"   "6069990"   "6188818"   "6289147"   "6563988").PN. OR ("6839477").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/01/12 09:18

S28	22	(US-20020001433-\$ or US-20020057865-\$ or US-20020122650-\$ or US-20020176665-\$ or US-20020181832-\$ or US-20030063858-\$ or US-20030103722-\$ or US-20040028105-\$ or US-20040101243-\$ or US-20040131313-\$ or US-20040161186-\$).did. or (US-6507680-\$ or US-6580862-\$ or US-6674929-\$ or US-6728442-\$ or US-6768842-\$ or US-6798952-\$ or US-6563988-\$ or US-6839477-\$ or US-5881199-\$ or US-6205273-\$ or US-6807372-\$).did.	US-PGPUB; USPAT	OR	OFF	2005/01/12 10:43
S29	22	S28 and (wave\$guide\$1 with (spacing or space or distance\$1 or length\$1))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/12 10:45
S30	8	S28 and (flat with spectr\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/12 10:45
S31	21	S2 not S1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/12 10:51
S32	21	("AWG" or (array\$3 with wave\$guide\$1 with grating\$1)) same ((slab\$1 with wave\$guide\$1) or (free with propagation with region\$1)) same ("MMI" or (multi\$mode or (multi with mode) with interference) with coupler\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/12 11:27
S33	47	((slab\$1 with wave\$guide\$1) or (free with propagation with region\$1)) same ("MMI" or (multi\$mode or (multi with mode) with interference) with coupler\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/12 11:27

S34	26	S33 not S32	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/12 11:27
S35	40	("AWG" or (array\$3 with wave\$guide\$1 with grating\$1)) and (((slab\$1 with wave\$guide\$1) or (free with propagation with region\$1)) same ("MMI" or (multi\$mode or (multi with mode) with interference) with coupler\$1))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/12 11:28
S36	19	S35 not S32	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/12 11:28
S37	1767	("AWG" or (array\$3 with wave\$guide\$1 with grating\$1)) and ((wave\$guide\$1 with (spacing or space or distance\$1 or length\$1)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/12 16:18
S38	555	("AWG" or (array\$3 with wave\$guide\$1 with grating\$1)) and ((wave\$guide\$1 with (spacing or space or distance\$1 or length\$1)) same ((slab\$1 with wave\$guide\$1) or (free with propagation with region\$1)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/12 11:38
S39	110	("AWG" or (array\$3 with wave\$guide\$1 with grating\$1)) and ((wave\$guide\$1 with (spacing)) same ((slab\$1 with wave\$guide\$1) or (free with propagation with region\$1)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/12 11:41
S40	8	("AWG" or (array\$3 with wave\$guide\$1 with grating\$1)) and ((wave\$guide\$1 with (spacing)) same (flat with spectr\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/12 11:39
S41	47	("AWG" or (array\$3 with wave\$guide\$1 with grating\$1)) and ((wave\$guide\$1 with (spacing)) same ((slab\$1 with wave\$guide\$1) or (free with propagation with region\$1))) and (flat with spectr\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/13 13:34

S42	47	("AWG" or (array\$3 with wave\$guide\$1 with grating\$1)) and ((wave\$guide\$1 with (spacing)) same ((slab\$1 with wave\$guide\$1) or (free with propagation with region\$1))) and (flat with spectr\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/12 15:02
S43	0	("2004/0151432").URPN.	USPAT	OR	OFF	2005/01/12 15:15
S44	1	("6671433").PN.	US-PGPUB; USPAT	OR	OFF	2005/01/12 15:15
S45	8	("AWG" or (array\$3 with wave\$guide\$1 with grating\$1)) and ((wave\$guide\$1 with spacing) same (flat with spectr\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/12 15:24
S46	16	("AWG" or (array\$3 with wave\$guide\$1 with grating\$1)) and ((wave\$guide\$1 with (spacing or space or distance\$1)) same (flat with spectr\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/12 15:39
S47	8	S46 not S45	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/12 15:25
S48	11	("AWG" or (array\$3 with wave\$guide\$1 with grating\$1)) and ((wave\$guide\$1 with length\$1) same (flat with spectr\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/12 15:49
S49	3	((("5982960") or ("5841919") or ("6339664")).PN.	US-PGPUB; USPAT	OR	OFF	2005/01/12 15:49
S50	0	("AWG" or (array\$3 with wave\$guide\$1 with grating\$1)) and ((wave\$guide\$1 with spacing) same primary and secondary)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/12 16:16
S51	3	("AWG" or (array\$3 with wave\$guide\$1 with grating\$1)) and ((wave\$guide\$1 with spacing) same (primary or secondary))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/12 16:16

S52	94	(integer\$1 same (center with wavelength\$1) same (refractive with index))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/12 16:19
S53	12	("AWG" or (array\$3 with wave\$guide\$1 with grating\$1)) and (integer\$1 same (center with wavelength\$1) same (refractive with index))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/12 16:20
S54	5	("AWG" or (array\$3 with wave\$guide\$1 with grating\$1)) and ((wave\$guide\$1 with spacing with channel\$1) same (flat with spectr\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/13 13:35
S55	433	(directional with interference with coupler)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/06 08:22
S56	173	(optical with directional with interference with coupler)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/06 08:23
S57	31	("AWG" or (array\$3 with wave\$guide\$1 with grating\$1)) and (optical with directional with interference with coupler)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/06 11:16
S58	31	S57 and (optical with directional with interference with coupler)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/06 08:27
S59	56	("AWG" or (array\$3 with wave\$guide\$1 with grating\$1)) and (star with directional with coupler)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/06 08:55
S60	1	("6711313").PN.	US-PGPUB; USPAT	OR	OFF	2005/04/06 08:38
S61	0	("2001/0010739").URPN.	USPAT	OR	ON	2005/04/06 08:38

S62	3	("5414548"   "6049640"   "6249620").PN. OR ("6711313").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/06 08:45
S63	3	((("6760529") or ("6836604") or ("6860642")).PN.	US-PGPUB; USPAT	OR	OFF	2005/04/06 08:45
S64	179	("AWG" or (array\$3 with wave\$guide\$1 with grating\$1)) and ((slab or star) with waveguide) and (directional with coupler)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/06 11:57
S65	4	("5881199"   "5970201").PN. OR ("6332055").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/06 09:11
S66	1	("2002/0191887").URPN.	USPAT	OR	ON	2005/04/06 09:17
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S68	0	("2003/0103722").URPN.	USPAT	OR	ON	2005/04/06 09:26
S69	32	S67 and (directional adj coupler)	USPAT	OR	ON	2005/04/06 09:27
S70	1	("6798952").PN.	US-PGPUB; USPAT	OR	OFF	2005/04/06 09:27




S71	18	("20030081898"   "4756587"   "5136671"   "5467418"   "5488680"   "5623571"   "5706377"   "5745616"   "5745618"   "5841919"   "5881199"   "5982960"   "5999290"   "6069990"   "6205273"   "6222963"   "6229943"   "6363188").PN. OR ("6798952").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/06 09:28
S72	0	("2003/0133655").URPN.	USPAT	OR	ON	2005/04/06 09:33
S73	1	("6597841").PN.	US-PGPUB; USPAT	OR	OFF	2005/04/06 09:34
S74	13	("5002350"   "5412744"   "5488500"   "5600742"   "5617234"   "6055078"   "6266464"   "6271949"   "6272270"   "6501896").PN. OR ("6597841").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/06 09:34
S75	0	("2004/0136647").URPN.	USPAT	OR	ON	2005/04/06 09:54
S76	0	("2005/0047722").URPN.	USPAT	OR	ON	2005/04/06 09:57
S77	115	("AWG" or (array\$3 with wave\$guide\$1 with grating\$1)) and ((multi\$mode or (multi adj mode)) with coupler) and ((waveguide or channel) with spacing)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/06 11:17
S78	90	("AWG" or (array\$3 with wave\$guide\$1 with grating\$1)) and ((multi\$mode or (multi adj mode)) with interference with coupler) and ((waveguide or channel) with spacing)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/06 11:17
S79	19	("4773063"   "5002350"   "5412744"   "5488680"   "5629992"   "5706377"   "5745612"   "5748811"   "5889906"   "5926298"   "5962298"   "6181849").PN. OR ("6289147").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/06 11:24
S80	0	("2004/0047560").URPN.	USPAT	OR	ON	2005/04/06 11:42
S81	32	("AWG" or (array\$3 with wave\$guide\$1 with grating\$1)) and ((slab or star) with waveguide) and (directional with coupler) and (flat\$4 with (shape or response))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/06 11:58


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## » Key

IEEE JNL IEEE Journal or Magazine

IEE JNL IEE Journal or Magazine

IEEE CNF IEEE Conference Proceeding

IEE CNF IEE Conference Proceeding

IEEE STD IEEE Standard

Select Article Information

View: 1-

- ☐ 1. **Mirror quality and the performance of reflective arrayed-waveguide gratin**  
Bernussi, A.A.; de Peralta, L.G.; Gorbounov, V.; Linn, J.A.; Frisbie, S.; Gale, R  
Lightwave Technology, Journal of  
Volume 22, Issue 7, July 2004 Page(s):1828 - 1832  
Digital Object Identifier 10.1109/JLT.2004.831196  
[AbstractPlus](#) | [References](#) | Full Text: [PDF](#)(216 KB) IEEE JNL
- ☐ 2. **Control of center wavelength in reflective-arrayed waveguide-grating mul**  
de Peralta, L.G.; Bernussi, A.A.; Gorbounov, V.; Berg, J.M.; Temkin, H.;  
Quantum Electronics, IEEE Journal of  
Volume 40, Issue 12, Dec. 2004 Page(s):1725 - 1731  
Digital Object Identifier 10.1109/JQE.2004.837789  
[AbstractPlus](#) | [References](#) | Full Text: [PDF](#)(320 KB) IEEE JNL
- ☐ 3. **Super-high-/spl Delta/ athermal arrayed waveguide grating with resin-fille slab region**  
Maru, K.; Matsui, K.; Ishikawa, H.; Abe, Y.; Kashimura, S.; Himi, S.; Uetsuka, I  
Electronics Letters  
Volume 40, Issue 6, 18 March 2004 Page(s):374 - 375  
Digital Object Identifier 10.1049/el:20040273  
[AbstractPlus](#) | Full Text: [PDF](#)(192 KB) IEE JNL
- ☐ 4. **Completely multimode arrayed waveguide grating-based wavelength den**  
Kok, A.A.M.; Musa, S.; Borreman, A.; Diemeer, M.B.J.; Driessen, A.;  
EUROCON 2003. Computer as a Tool. The IEEE Region 8  
Volume 2, 22-24 Sept. 2003 Page(s):422 - 426 vol.2  
Digital Object Identifier 10.1109/EURCON.2003.1248232  
[AbstractPlus](#) | Full Text: [PDF](#)(383 KB) IEEE CNF
- ☐ 5. **The role of photomask resolution on the performance of arrayed-waveguid devices**  
Lee, C.D.; Wei Chen; Qiang Wang; Yung-Jui Chen; Beard, W.T.; Stone, D.; Sr Mincher, R.; Stewart, I.R.;  
Lightwave Technology, Journal of  
Volume 19, Issue 11, Nov. 2001 Page(s):1726 - 1733  
Digital Object Identifier 10.1109/50.964073  
[AbstractPlus](#) | [References](#) | Full Text: [PDF](#)(227 KB) IEEE JNL

- ☐ 6. **Temperature-insensitive reflective arrayed-waveguide grating multiplexers**  
de Peralta, L.G.; Bernussi, A.A.; Gorbounov, V.; Temkin, H.;  
Photonics Technology Letters, IEEE  
Volume 16, Issue 3, March 2004 Page(s):831 - 833  
Digital Object Identifier 10.1109/LPT.2004.823717  
[AbstractPlus](#) | [References](#) | Full Text: [PDF](#)(136 KB) IEEE JNL
  
- ☐ 7. **Design and applications of silica-based planar lightwave circuits**  
Kaneko, A.; Goh, T.; Yamada, H.; Tanaka, T.; Ogawa, L.;  
Selected Topics in Quantum Electronics, IEEE Journal of  
Volume 5, Issue 5, Sept.-Oct. 1999 Page(s):1227 - 1236  
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